RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/590.579
Source:	1FWP.
Date Processed by STIC:	9/1/06

ENTERED



IFWP

RAW SEQUENCE LISTINGPATENT APPLICATION: **US/10/590,579**DATE: 09/01/2006

TIME: 11:48:45

Input Set : A:\21491Y PCT.TXT

```
4 <110> APPLICANT: Merck & Co., Inc.
      6 <120> TITLE OF INVENTION: POLYPEPTIDES FOR INDUCING A PROTECTIVE
             IMMUNE RESPONSE AGAINST STAPHYLOCOCCUS AUREUS
     10 <130> FILE REFERENCE: 21491Y PCT
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/590,579
C--> 12 <141> CURRENT FILING DATE: 2006-08-22
     12 <150> PRIOR APPLICATION NUMBER: 60/548,660
     13 <151> PRIOR FILING DATE: 2004-02-27
     15 <160> NUMBER OF SEQ ID NOS: 9
     17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 189
     21 <212> TYPE: PRT
     22 <213> ORGANISM: Artificial Sequence
     24 <220> FEATURE:
     25 <223> OTHER INFORMATION: truncated derivative of ORF0594
     27 <400> SEQUENCE: 1
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     32 Lys Glu Arg Lys Phe Asn Pro Asp Leu Ala Pro Gly Thr Glu Lys Val
     34 Thr Arg Glu Gly Gln Lys Gly Glu Lys Thr Ile Thr Thr Pro Thr Leu
                                55
     36 Lys Asn Pro Leu Thr Gly Val Ile Ile Ser Lys Gly Glu Pro Lys Glu
                            70
     38 Glu Ile Thr Lys Asp Pro Ile Asn Glu Leu Thr Glu Tyr Gly Pro Glu
                                            90
     40 Thr Ile Ala Pro Gly His Arg Asp Glu Phe Asp Pro Lys Leu Pro Thr
                   100
                                        105
     42 Gly Glu Lys Glu Glu Val Pro Gly Lys Pro Gly Ile Lys Asn Pro Glu
    43 115
                                    120
     44 Thr Gly Asp Val Val Arg Pro Pro Val Asp Ser Val Thr Lys Tyr Gly
     45 : 130
                                135
                                                    140
     46 Pro Val Lys Gly Asp Ser Ile Val Glu Lys Glu Glu Ile Pro Phe Glu
     48 Lys Glu Arg Lys Phe Asn Pro Asp Leu Ala Pro Gly Thr Glu Lys Val
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                                            170
    50 Thr Arg Glu Gly Gln Lys Gly Glu Lys Thr Ile Thr Thr
    54 <210> SEQ ID NO: 2
    55 <211> LENGTH: 235
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TIME: 11:48:45

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57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: His-tagged derivative of SEQ ID NO: 1
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67 Ser Pro Asp Leu Gly Thr Asp Asp Asp Lys Ala Met Gly Arg Thr
                               40
69 Asp Leu Lys Gly Ser Glu Phe Thr Phe Thr Pro Glu Ala Pro Lys Thr
                           55
71 Ile Thr Glu Leu Glu Lys Lys Val Glu Glu Ile Pro Phe Lys Lys Glu
                       70
73 Arg Lys Phe Asn Pro Asp Leu Ala Pro Gly Thr Glu Lys Val Thr Arg
75 Glu Gly Gln Lys Gly Glu Lys Thr Ile Thr Thr Pro Thr Leu Lys Asn
              100
                                   105
77 Pro Leu Thr Gly Val Ile Ile Ser Lys Gly Glu Pro Lys Glu Glu Ile
                               120
79 Thr Lys Asp Pro Ile Asn Glu Leu Thr Glu Tyr Gly Pro Glu Thr Ile
                           135
                                               140
81 Ala Pro Gly His Arg Asp Glu Phe Asp Pro Lys Leu Pro Thr Gly Glu
                       150
                                           155
83 Lys Glu Glu Val Pro Gly Lys Pro Gly Ile Lys Asn Pro Glu Thr Gly
                                       170
                  165
85 Asp Val Val Arg Pro Pro Val Asp Ser Val Thr Lys Tyr Gly Pro Val
              180
87 Lys Gly Asp Ser Ile Val Glu Lys Glu Glu Ile Pro Phe Glu Lys Glu
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89 Arg Lys Phe Asn Pro Asp Leu Ala Pro Gly Thr Glu Lys Val Thr Arg
91 Glu Gly Gln Lys Gly Glu Lys Thr Ile Thr Thr
92 225
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95 <210> SEQ ID NO: 3
96 <211> LENGTH: 1240
97 <212> TYPE: PRT
98 <213> ORGANISM: S. aureus
100 <400> SEQUENCE: 3
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105 Ser Ile Leu Ile Gly Ser Leu Met Tyr Leu Gly Thr Gln Glu Ala
107 Glu Ala Ala Glu Asn Asn Ile Glu Asn Pro Thr Thr Leu Lys Asp Asn
109 Val Gln Ser Lys Glu Val Lys Ile Glu Glu Val Thr Asn Lys Asp Thr
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RAW SEQUENCE LISTING DATE: 09/01/2006
PATENT APPLICATION: US/10/590,579 TIME: 11:48:45

Input Set : A:\21491Y PCT.TXT

110	<i>C</i> E					70					75					0.0
110		Dwo	C1 5	<i>α</i> 1	17-1	70	77.	T	C	a1	75	m1	0	7	T	80
	Ala	PIO	GIII	GIY		GIU	Ala	ьуѕ	ser		vai	Thr	ser	Asn	_	Asp
112	m1	-1-	01	***	85	.			_	90	~-	_		_	95	_
	Thr	ше	GIU		GIU	Pro	Ser	vaı		Ala	GIu	Asp	11e		Lys	Lys
114		_	1	100	_				105		_	_	_	110		
	Glu	Asp		Pro	Lys	Glu	Val		Asp	Val	Ala	Glu		Gln	Pro	Lys
116			115					120					125			
117	Ser	Ser	Val	Thr	His	Asn	Ala	Glu	Thr	Pro	Lys	Val	Arg	Lys	Ala	Arg
118		130					135					140				
119	Ser	Val	Asp	Glu	Gly	Ser	Phe	Asp	Ile	Thr	Arg	Asp	Ser	Lys	Asn	Val
	145					150					155				-	160
121	Val	Glu	Ser	Thr	Pro	Ile	Thr	Ile	Gln	Gly	Lys	Glu	His	Phe	Glu	Gly
122					165					170					175	
123	Tyr	Gly	Ser	Val	Asp	Ile	Gln	Lys	Lys	Pro	Thr	Asp	Leu	Gly	Val	Ser
124				180					185					190		
125	Glu	Val	Thr	Arg	Phe	Asn	Val	Gly	Asn	Glu	Ser	Asn	Gly	Leu	Ile	Gly
126			195					200					205			
127	Ala	Leu	Gln	Leu	Lys	Asn	Lys	Ile	Asp	Phe	Ser	Lys	Asp	Phe	Asn	Phe
128		210					215					220				
129	Lys	Val	Arg	Val	Ala	Asn	Asn	His	Gln	Ser	Asn	Thr	Thr	Gly	Ala	Asp
130	225					230					235					240
131	Gly	Trp	Gly	Phe	Leu	Phe	Ser	Lys	Gly	Asn	Ala	Glu	Glu	Tyr	Leu	Thr
132					245					250					255	
133	Asn	Gly	Gly	Ile	Leu	Gly	Asp	Lys	Gly	Leu	Val	Asn	Ser	Gly	Gly	Phe
134				260					265					270		
135	Lys	Ile	Asp	Thr	Gly	Tyr	Ile	Tyr	Thr	Ser	Ser	Met	Asp	Lys	Thr	Glu
136			275					280					285			
137	Lys	Gln	Ala	Gly	Gln	Gly	Tyr	Arg	Gly	Tyr	Gly	Ala	Phe	Val	Lys	Asn
138		290					295					300				
139	Asp	Ser	Ser	Gly	Asn	Ser	Gln	Met	Val	Gly	Glu	Asn	Ile	Asp	Lys	Ser
140	305					310					315					320
141	Lys	Thr	Asn	Phe	Leu	Asn	Tyr	Ala	Asp	Asn	Ser	Thr	Asn	Thr	Ser	Asp
142					325					330					335	
143	Gly	Lys	Phe	His	Gly	Gln	Arg	Leu	Asn	Asp	Val	Ile	Leu	Thr	Tyr	Val
144				340					345					350		
145	Ala	Ser	Thr	Gly	Lys	Met	Arg	Ala	Glu	Tyr	Ala	Gly	Lys	Thr	Trp	Glu
146			355					360					365			
147	Thr	Ser	Ile	Thr	Asp	Leu	Gly	Leu	Ser	Lys	Asn	Gln	Ala	Tyr	Asn	Phe
148		370					375					380				
149	Leu	Ile	Thr	Ser	Ser	Gln	Arg	Trp	Gly	Leu	Asn	Gln	Gly	Ile	Asn	Ala
150	385					390					395					400
151	Asn	Gly	Trp	Met	Arg	Thr	Asp	Leu	Lys	Gly	Ser	Glu	Phe	Thr	Phe	Thr
152					405					410					415	
153	${\tt Pro}$	Glu	Ala	Pro	Lys	Thr	Ile	Thr	Glu	Leu	Glu	Lys	Lys	Val	Glu	Glu
154				420					425			•		430		
155	Ile	Pro	Phe	Lys	Lys	Glu	Arg	Lys	Phe	Asn	Pro	Asp	Leu	Ala	Pro	Gly
156			435				_	440				_	445			-
157	Thr	Glu	Lys	Val	Thr	Arg	Glu	Gly	Gln	Lys	Gly	Glu	Lys	Thr	Ile	Thr
158		450					455					460				

RAW SEQUENCE LISTING DATE: 09/01/2006
PATENT APPLICATION: US/10/590,579 TIME: 11:48:45

Input Set : A:\21491Y PCT.TXT

Output Set: N:\CRF4\09012006\J590579.raw

159 Thr Pro Thr Leu Lys Asn Pro Leu Thr Gly Val Ile Ile Ser Lys Gly 470 475 161 Glu Pro Lys Glu Glu Ile Thr Lys Asp Pro Ile Asn Glu Leu Thr Glu 485 490 163 Tyr Gly Pro Glu Thr Ile Ala Pro Gly His Arg Asp Glu Phe Asp Pro 500 505 165 Lys Leu Pro Thr Gly Glu Lys Glu Glu Val Pro Gly Lys Pro Gly Ile 520 167 Lys Asn Pro Glu Thr Gly Asp Val Val Arg Pro Pro Val Asp Ser Val 535 540 169 Thr Lys Tyr Gly Pro Val Lys Gly Asp Ser Ile Val Glu Lys Glu Glu 550 170 545 555 171 Ile Pro Phe Glu Lys Glu Arg Lys Phe Asn Pro Asp Leu Ala Pro Gly 565 173 Thr Glu Lys Val Thr Arg Glu Gly Gln Lys Gly Glu Lys Thr Ile Thr 174 580 585 175 Thr Pro Thr Leu Lys Asn Pro Leu Thr Gly Val Ile Ile Ser Lys Gly 176 177 Glu Pro Lys Glu Glu Ile Thr Lys Asp Pro Ile Asn Glu Leu Thr Glu 615 179 Tyr Gly Pro Glu Thr Ile Thr Pro Gly His Arg Asp Glu Phe Asp Pro 630 635 181 Lys Leu Pro Thr Gly Glu Lys Glu Glu Val Pro Gly Lys Pro Gly Ile 645 650 183 Lys Asn Pro Glu Thr Gly Asp Val Val Arg Pro Pro Val Asp Ser Val 660 665 185 Thr Lys Tyr Gly Pro Val Lys Gly Asp Ser Ile Val Glu Lys Glu Glu 675 680 187 Ile Pro Phe Lys Lys Glu Arg Lys Phe Asn Pro Asp Leu Ala Pro Gly 695 189 Thr Glu Lys Val Thr Arg Glu Gly Gln Lys Gly Glu Lys Thr Ile Thr 710 191 Thr Pro Thr Leu Lys Asn Pro Leu Thr Gly Glu Ile Ile Ser Lys Gly 725 730 193 Glu Ser Lys Glu Glu Ile Thr Lys Asp Pro Ile Asn Glu Leu Thr Glu 740 745 195 Tyr Gly Pro Glu Thr Ile Thr Pro Gly His Arg Asp Glu Phe Asp Pro 755 760 197 Lys Leu Pro Thr Gly Glu Lys Glu Glu Val Pro Gly Lys Pro Gly Ile 775 199 Lys Asn Pro Glu Thr Gly Asp Val Val Arg Pro Pro Val Asp Ser Val 200 785 790 795 201 Thr Lys Tyr Gly Pro Val Lys Gly Asp Ser Ile Val Glu Lys Glu Glu 805 203 Ile Pro Phe Lys Lys Glu Arg Lys Phe Asn Pro Asp Leu Ala Pro Gly 205 Thr Glu Lys Val Thr Arg Glu Gly Gln Lys Gly Glu Lys Thr Ile Thr 835 840 207 Thr Pro Thr Leu Lys Asn Pro Leu Thr Gly Glu Ile Ile Ser Lys Gly RAW SEQUENCE LISTING DATE: 09/01/2006
PATENT APPLICATION: US/10/590,579 TIME: 11:48:45

Input Set : A:\21491Y PCT.TXT

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208			Tvc	Clu	Clu	Tla	Thr	Lvc	λαη	Dro	Tla		Clu	LOU	Thr	Clu
	865	261	цуэ	GIU	Giu	870	1111	цуз	тэр	FIO	875	A3II	GIU	neu	1111	880
		~1··	Dro	C1	mb ~		The	Dec	C1	II.		7 an	~1	Dho	7 ~~	
	ıyı	GIA	PIO	GIU		116	Thr	PIO	GIY	890	Arg	Asp	GIU	PHE	_	PIO
212	T	.	D	m1	885	~1	.	~ 1	01		D	~1	T	D	895	T 1 -
	гàг	Leu	Pro		GLY	GIU	Lys	GIU		vai	Pro	GLY	ьуs		GLY	ше
214	_	_	_	900			_		905	_	_	_		910	_	
	Lys	Asn		GIu	Thr	GLY	Asp		Val	Arg	Pro	Pro		Asp	Ser	Val
216			915	_		_		920			_	_	925		_	
	Thr	_	Tyr	Gly	Pro	Val	Lys	Gly	Asp	Ser	Ile		Glu	Lys	Glu	Glu
218		930					935					940				_
		Pro	Phe	Glu	Lys		Arg	Lys	Phe	Asn		Asp	Leu	Ala	Pro	_
	945					950					955					960
221	Thr	Glu	Lys	Val	Thr	Arg	Glu	Gly	Gln	Lys	Gly	Glu	Lys	Thr	Ile	Thr
222					965					970					975	
223	Thr	Pro	Thr	Leu	Lys	Asn	Pro	Leu	Thr	Gly	Glu	Ile	Ile	Ser	Lys	Gly
224				980					985					990		
225	Glu	Ser	Lys	Glu	Glu	Ile	Thr	Lys	Asp	Pro	Val	Asn	Glu	Leu	Thr	Glu
226			995					1000					1005			
227	Phe	Gly	Gly	Glu	Lys	Ile	Pro	Gln	Gly	His	Lys	Asp	Ile	Phe	Asp	Pro
228		1010					1015					1020				
229	Asn	Leu	Pro	Thr	Asp	Gln	Thr	Glu	Lys	Val	Pro	Gly	Lys	Pro	Gly	Ile
	102					1030					1035					1040
231	Lys	Asn	Pro	Asp			Lys	Val	Ile	Glu	Glu	Pro	Val	Asp	Asp	Val
232					1049					1050					1055	
		Lys	His	_		Lys	Thr	Gly			Glu	Thr	Lys			Glu
234				106					1069					1070		
	Ile	Pro			Thr	Lys	Arg			Asn	Pro	Lys			Pro	Gly
236			107					1080			_		1085			
				77~7	LVC	Gln	Glu	Gly	Gln	Pro	Gly	Ser	Lys	Thr	Ile	Thr
	Glu		_	vai	шуз											
238		1090) _		_		1095					1100				
238 239	Thr	1090 Pro) _		_	Asn	Pro		Thr	Gly		Lys		Gly	Glu	
238 239 240	Thr	1090 Pro	Ile	Thr	Val	Asn 1110	Pro	Leu			1119	Lys	Val			1120
238 239 240 241	Thr	1090 Pro	Ile	Thr	Val Glu	Asn 1110 Ile	Pro	Leu		Pro	1119 Val	Lys	Val		Val	1120 Glu
238 239 240 241 242	Thr 1109 Gln	1090 Pro 5 Pro	Ile Thr	Thr Glu	Val Glu 1125	Asn 1110 Ile	Pro) Thr	Leu Lys	Gln	Pro 1130	1119 Val	Lys S Asp	Val Lys	Ile	Val	1120 Glu 5
238 239 240 241 242 243	Thr 1109 Gln	1090 Pro 5 Pro	Ile Thr	Thr Glu Glu	Val Glu 1129 Lys	Asn 1110 Ile	Pro	Leu Lys	Gln Pro	Pro 1130 Lys	1119 Val	Lys S Asp	Val Lys	Ile Asn	Val 1139 Pro	1120 Glu 5
238 239 240 241 242 243 244	Thr 1109 Gln Phe	1090 Pro Pro Gly	Ile Thr Gly	Thr Glu Glu 1140	Val Glu 1129 Lys	Asn 1110 Ile Fro	Pro) Thr Lys	Leu Lys Asp	Gln Pro	Pro 1130 Lys	1119 Val O Gly	Lys Asp Pro	Val Lys Glu	Ile Asn 1150	Val 1139 Pro	1120 Glu 5 Glu
238 239 240 241 242 243 244 245	Thr 1109 Gln Phe	1090 Pro Pro Gly	Ile Thr Gly Ser	Thr Glu Glu 1140 Arg	Val Glu 1129 Lys	Asn 1110 Ile Fro	Pro) Thr	Leu Lys Asp Pro	Gln Pro 1145 Ser	Pro 1130 Lys	1119 Val O Gly	Lys Asp Pro	Val Lys Glu Asn	Ile Asn 1150 Pro	Val 1139 Pro	1120 Glu 5 Glu
238 239 240 241 242 243 244 245 246	Thr 1109 Gln Phe Lys	Pro Pro Gly Pro	Thr Gly Ser	Thr Glu Glu 1140 Arg	Val Glu 1125 Lys) Pro	Asn 1110 Ile Pro Thr	Pro Thr Lys His	Leu Lys Asp Pro	Gln Pro 1149 Ser	Pro 1130 Lys 5 Gly	1119 Val O Gly Pro	Lys Asp Pro Val	Val Lys Glu Asn 1165	Ile Asn 1150 Pro	Val 1139 Pro) Asn	1120 Glu Glu Glu Asn
238 239 240 241 242 243 244 245 246 247	Thr 1109 Gln Phe Lys	Pro Pro Gly Pro Gly	Ile Thr Gly Ser 1159	Thr Glu Glu 1140 Arg	Val Glu 1125 Lys) Pro	Asn 1110 Ile Pro Thr	Pro Thr Lys His	Leu Lys Asp Pro 1160 Ala	Gln Pro 1149 Ser	Pro 1130 Lys 5 Gly	1119 Val O Gly Pro	Lys Asp Pro Val Gly	Val Lys Glu Asn 1165 Pro	Ile Asn 1150 Pro	Val 1139 Pro) Asn	1120 Glu Glu Glu Asn
238 239 240 241 242 243 244 245 246 247 248	Thr 1109 Gln Phe Lys	Pro Gly Pro Gly Gly 1170	Thr Gly Ser 1159 Leu	Thr Glu Glu 1140 Arg S	Val Glu 1125 Lys Pro Lys	Asn 1110 Ile Pro Thr	Pro Thr Lys His Arg	Leu Lys Asp Pro 1160 Ala	Gln Pro 1145 Ser) Lys	Pro 1130 Lys Gly Pro	Val Val Gly Pro	Lys Asp Pro Val Gly 1186	Val Lys Glu Asn 1165 Pro	Ile Asn 1150 Pro Val	Val 1139 Pro) Asn His	1120 Glu 5 Glu Asn Ser
238 239 240 241 242 243 244 245 246 247 248 249	Thr 1100 Gln Phe Lys Pro Met	Pro Gly Pro Gly 1170 Asp	Thr Gly Ser 1159 Leu	Thr Glu Glu 1140 Arg S	Val Glu 1125 Lys Pro Lys	Asn 1110 Ile Pro Thr Asp	Pro Thr Lys His Arg 1175	Leu Lys Asp Pro 1160 Ala	Gln Pro 1145 Ser) Lys	Pro 1130 Lys Gly Pro	Val Val Gly Pro Asn	Lys Asp Pro Val Gly 1180 Ile	Val Lys Glu Asn 1165 Pro	Ile Asn 1150 Pro Val	Val 1139 Pro) Asn His	1120 Glu Glu Asn Ser
238 239 240 241 242 243 244 245 246 247 248 249 250	Thr 1109 Gln Phe Lys Pro Met 1189	1090 Pro Pro Gly Pro Gly 1170 Asp	Thr Gly Ser 1159 Leu Lys	Thr Glu Glu 1140 Arg S Ser	Val Glu 1129 Lys Pro Lys Asp	Asn 1110 Ile Pro Thr Asp Lys 1190	Pro Thr Lys His Arg 1175 Val	Leu Lys Asp Pro 1160 Ala Lys	Gln Pro 1149 Ser Lys	Pro 1130 Lys Gly Pro	Val Val Gly Pro Asn Lys	Lys Asp Pro Val Gly 1180 Ile	Val Lys Glu Asn 1165 Pro)	Asn 1150 Pro Val Lys	Val 1139 Pro Asn His	1120 Glu Glu Asn Ser Ser 1200
238 239 240 241 242 243 244 245 246 247 248 249 250 251	Thr 1109 Gln Phe Lys Pro Met 1189	1090 Pro Pro Gly Pro Gly 1170 Asp	Thr Gly Ser 1159 Leu Lys	Thr Glu Glu 1140 Arg S Ser	Val Glu 1129 Lys Pro Lys Asp Glu	Asn 1110 Ile Fro Thr Asp Lys 1190 Lys	Pro Thr Lys His Arg 1175	Leu Lys Asp Pro 1160 Ala Lys	Gln Pro 1149 Ser Lys	Pro 1130 Lys Gly Pro	Val Val Gly Pro Asn Lys	Lys Asp Pro Val Gly 1180 Ile	Val Lys Glu Asn 1165 Pro)	Asn 1150 Pro Val Lys	Val 1139 Pro Asn His	1120 Glu Glu Asn Ser Ser 1200
238 239 240 241 242 243 244 245 246 247 248 249 250 251 252	Thr 1109 Gln Phe Lys Pro Met 1189 Val	1090 Pro Pro Gly Pro Gly 1170 Asp	Ile Thr Gly Ser 115: Leu Lys Asn	Thr Glu Glu 1140 Arg Ser Asn Gln	Val Glu 1129 Lys Pro Lys Asp Glu 1209	Asn 1110 Ile Pro Thr Asp Lys 1190 Lys	Pro Thr Lys His Arg 1175 Val	Leu Lys Asp Pro 1160 Ala Lys	Gln Pro 114! Ser) Lys Lys Ala	Pro 1130 Lys Gly Pro Ser Glu 1210	Val Val Gly Pro Asn Lys 1199 Leu	Lys Asp Pro Val Gly 1180 Ile	Lys Glu Asn 1165 Pro Ala Lys	Ile Asn 1150 Pro Val Lys	Val 1139 Pro Asn His Glu Gly 1219	Glu Glu Asn Ser 1200 Leu
238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253	Thr 1109 Gln Phe Lys Pro Met 1189 Val	1090 Pro Pro Gly Pro Gly 1170 Asp	Ile Thr Gly Ser 115: Leu Lys Asn	Thr Glu Glu 1140 Arg Ser Asn Gln	Val Glu 1125 Lys Pro Lys Asp Glu 1205 Lys	Asn 1110 Ile Pro Thr Asp Lys 1190 Lys	Pro Thr Lys His Arg 1175 Val	Leu Lys Asp Pro 1160 Ala Lys	Gln Pro 114! Ser) Lys Lys Ala	Pro 1130 Lys Gly Pro Ser Glu 1210	Val Val Gly Pro Asn Lys 1199 Leu	Lys Asp Pro Val Gly 1180 Ile	Lys Glu Asn 1165 Pro Ala Lys	Ile Asn 1150 Pro Val Lys	Val 1139 Pro Asn His Glu Gly 1219	Glu Glu Asn Ser 1200 Leu
238 239 240 241 242 243 244 245 246 247 248 249 250 251 252	Thr 1109 Gln Phe Lys Pro Met 1189 Val	1090 Pro Pro Gly Pro Gly 1170 Asp	Ile Thr Gly Ser 115: Leu Lys Asn	Thr Glu Glu 1140 Arg Ser Asn Gln	Val Glu 1125 Lys Pro Lys Asp Glu 1205 Lys	Asn 1110 Ile Pro Thr Asp Lys 1190 Lys	Pro Thr Lys His Arg 1175 Val	Leu Lys Asp Pro 1160 Ala Lys	Gln Pro 114! Ser) Lys Lys Ala	Pro 1130 Lys Gly Pro Ser Glu 1210 Ser	Val Val Gly Pro Asn Lys 1199 Leu	Lys Asp Pro Val Gly 1180 Ile	Lys Glu Asn 1165 Pro Ala Lys	Ile Asn 1150 Pro Val Lys	Val 1135 Pro) Asn His Glu Gly 1215 Ile	Glu Glu Asn Ser 1200 Leu
238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254	Thr 1109 Gln Phe Lys Pro Met 1189 Val	Pro Gly Pro Gly 1170 Asp Ala Ser	Thr Gly Ser 1159 Leu Lys Asn	Thr Glu Glu 1140 Arg Ser Asn Gln Gln 1220 Leu	Val Glu 1125 Lys Pro Lys Asp Glu 1205 Lys	Asn 1110 Ile Pro Thr Asp Lys 1190 Lys Gly	Pro Thr Lys His Arg 1175 Val	Leu Lys Asp Pro 1160 Ala Lys Arg	Gln Pro 1145 Ser Lys Lys Ala Phe	Pro 1130 Lys Gly Pro Ser Glu 1210 Ser	Val Val Gly Pro Asn Lys 1199 Leu	Lys Asp Pro Val Gly 1180 Ile	Lys Glu Asn 1165 Pro Ala Lys	Asn 1150 Pro Val Lys Thr	Val 1135 Pro) Asn His Glu Gly 1215 Ile	Glu Glu Asn Ser 1200 Leu

VERIFICATION SUMMARY

DATE: 09/01/2006 TIME: 11:48:46

PATENT APPLICATION: US/10/590,579

Input Set : A:\21491Y PCT.TXT

Output Set: N:\CRF4\09012006\J590579.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date